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ABSTRACT

An ingestible device, adapted to travel in the gastrointestinal tract and perform a diagnostic image of tissue therein, is provided. The diagnostic image may comprise diagnostic information as a function of time, or diagnostic information as a function of distance traveled within the gastrointestinal tract. An imaging method by depth calculations is provided, based on the attenuation of photons of different energies, which are emitted from the same source, coupled with position monitoring.